

7-19-12

MULTIPLICATION IN WORD PROBLEMS

Multiply when...

- you are finding a # OF another #

** "OF" means to multiply

Ex: Candy bars cost \$1.25. You buy 6 of them.
How much do you spend?

$$1.25 \times 6 = \$7.50$$

- there's something that's a certain # times more or bigger, etc.

Ex: Joe earns \$8.00 per hour at WalMart. His sister earns 3 times that amount. How much more does his sister earn?

① $8 \times 3 = \$24$

② $24 - 8 = \$16$ more

- repeated addition is involved

Ex: If you earn \$0.75 per day, how much will you have at the end of the week?

- you are finding AREA

Ex: A of rectangle = $L \times W$

A of parallelogram = $b \times h$

A of triangle = $\frac{b \times h}{2}$

A of circle = $\pi \times r^2$

DIVISION IN WORD PROBLEMS

Divide when ...

- something is being split up into equal parts or groups

Ex: How many 3 foot shelves can be made from a board that is 24 ft. long?

$$24 \div 3 = 8 \text{ shelves}$$

- you know the AREA & one side, but you have to find the missing side

Ex: A room has an area of 150 ft². It is 10 ft. wide. How long is it?

$$\boxed{A = 150 \text{ ft}^2} \quad 10 \text{ ft.}$$

?

$$A = lw$$

$$150 \div 10 = 15 \text{ ft.}$$